



SEQUENCE LISTING

<110> Pfizer Inc.
Castleberry, Tessa A.
Lu, Bihong
Owen, Thomas A.
Smock, Steven L.

<120> Canine Parathyroid Hormone 1 Receptor

<130> PC10891AGPR

<140> US 09/943,446

<141> 2001-08-30

<150> US 60/229,170

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<170> PatentIn version 3.1

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<400> 2A

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Asp His Ile Leu Cys Trp Pro Leu Gly Ala Pro Gly Glu Val Val Ala
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<210> 2B
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Glu Lys Ala Ser Gly Lys Phe Tyr Pro Glu Ser Lys Glu Asn Lys Asp
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Ala Ala Ala Val Gly Tyr Ala Gly Cys Arg Val Ala Val Thr Phe Phe
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Gly Pro Met Val Ser His Thr Ser Val Thr Asn Val Gly Pro Arg Ala
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<213> Mus Musculus

<400> 2C

Met Gly Thr Ala Arg Ile Ala Pro Ser Leu Ala Leu Leu Leu Cys Cys
1 5 10 15

Pro Val Leu Ser Ser Ala Tyr Ala Leu Val Asp Ala Asp Asp Val Phe
20 25 30

Thr Lys Glu Glu Gln Ile Phe Leu Leu His Arg Ala Gln Ala Gln Cys
35 40 45

Asp Lys Leu Leu Lys Glu Val Leu His Thr Ala Ala Asn Ile Met Glu
50 55 60

Ser Asp Lys Gly Trp Thr Pro Ala Ser Thr Ser Gly Lys Pro Arg Lys
65 70 75 80

Glu Lys Ala Pro Gly Lys Phe Tyr Pro Glu Ser Lys Glu Asn Lys Asp
85 90 95

Val Pro Thr Gly Ser Arg Arg Arg Gly Arg Pro Cys Leu Pro Glu Trp
100 105 110

Asp Asn Ile Val Cys Trp Pro Leu Gly Ala Pro Gly Glu Val Val Ala
115 120 125

Val Pro Cys Pro Asp Tyr Ile Tyr Asp Phe Asn His Lys Gly His Ala
130 135 140

Tyr Arg Arg Cys Asp Arg Asn Gly Ser Trp Glu Val Val Pro Gly His
145 150 155 160

Asn Arg Thr Trp Ala Asn Tyr Ser Glu Cys Leu Lys Phe Met Thr Asn
165 170 175

Glu Thr Arg Glu Arg Glu Val Phe Asp Arg Leu Gly Met Ile Tyr Thr
180 185 190

Val Gly Tyr Ser Met Ser Leu Ala Ser Leu Thr Val Ala Val Leu Ile
195 200 205

Leu Ala Tyr Phe Arg Arg Leu His Cys Thr Arg Asn Tyr Ile His Met
210 215 220

His Met Phe Leu Ser Phe Met Leu Arg Ala Ala Ser Ile Phe Val Lys
225 230 235 240

Asp Ala Val Leu Tyr Ser Gly Phe Thr Leu Asp Glu Ala Glu Arg Leu
245 250 255

Thr Glu Glu Glu Leu His Ile Ile Ala Gln Val Pro Pro Pro Pro Ala
260 265 270

Ala Ala Ala Val Gly Tyr Ala Gly Cys Arg Val Ala Val Thr Phe Phe
275 280 285

Leu Tyr Phe Leu Ala Thr Asn Tyr Tyr Trp Ile Leu Val Glu Gly Leu
290 295 300

Tyr Leu His Ser Leu Ile Phe Met Ala Phe Phe Ser Glu Lys Lys Tyr
305 310 315 320

Leu Trp Gly Phe Thr Ile Phe Gly Trp Gly Leu Pro Ala Val Phe Val
325 330 335

Ala Val Trp Val Gly Val Arg Ala Thr Leu Ala Asn Thr Gly Cys Trp
340 345 350

Asp Leu Ser Ser Gly His Lys Lys Trp Ile Ile Gln Val Pro Ile Leu
355 360 365

Ala Ser Val Val Leu Asn Phe Ile Leu Phe Ile Asn Ile Ile Arg Val
370 375 380

Leu Ala Thr Lys Leu Arg Glu Thr Asn Ala Gly Arg Cys Asp Thr Arg
385 390 395 400

Gln Gln Tyr Arg Lys Leu Leu Arg Ser Thr Leu Val Leu Val Pro Leu

405

410

415

Phe Gly Val His Tyr Thr Val Phe Met Ala Leu Pro Tyr Thr Glu Val
420 425 430

Ser Gly Thr Leu Trp Gln Ile Gln Met His Tyr Glu Met Leu Phe Asn
435 440 445

Ser Phe Gln Gly Phe Phe Val Ala Ile Ile Tyr Cys Phe Cys Asn Gly
450 455 460

Glu Val Gln Ala Glu Ile Arg Lys Ser Trp Ser Arg Trp Thr Leu Ala
465 470 475 480

Leu Asp Phe Lys Arg Lys Ala Arg Ser Gly Ser Ser Ser Tyr Ser Tyr
485 490 495

Gly Pro Met Gly Ala His Thr Ser Val Thr Asn Val Gly Pro Arg Ala
500 505 510

Gly Leu Ser Leu Pro Leu Ser Pro Arg Leu Leu Pro Ala Thr Thr Asn
515 520 525

Gly His Ser Gln Leu Pro Gly His Ala Lys Pro Gly Ala Pro Ala Ile
530 535 540

Glu Asn Glu Thr Ile Pro Val Thr Met Thr Val Pro Lys Asp Asp Gly
545 550 555 560

Phe Leu Asn Gly Ser Cys Ser Gly Leu Asp Glu Glu Ala Ser Gly Ser
565 570 575

Ala Arg Pro Pro Pro Leu Leu Gln Glu Glu Trp Glu Thr Val Met
580 585 590

<210> 2D

<211> 593

<212> PRT

<213> Homo Sapiens

<400> 2D

Met Gly Thr Ala Arg Ile Ala Pro Gly Leu Ala Leu Leu Leu Cys Cys
1 5 10 15

Pro Val Leu Ser Ser Ala Tyr Ala Leu Val Asp Ala Asp Asp Val Met
20 25 30

Thr Lys Glu Glu Gln Ile Phe Leu Leu His Arg Ala Gln Ala Gln Cys
35 40 45

Glu Lys Arg Leu Lys Glu Val Leu Gln Arg Pro Ala Ser Ile Met Glu
50 55 60

Ser Asp Lys Gly Trp Thr Ser Ala Ser Thr Ser Gly Lys Pro Arg Lys
65 70 75 80

Asp Lys Ala Ser Gly Lys Leu Tyr Pro Glu Ser Glu Glu Asp Lys Glu
85 90 95

Ala Pro Thr Gly Ser Arg Tyr Arg Gly Arg Pro Cys Leu Pro Glu Trp
100 105 110

Asp His Ile Leu Cys Trp Pro Leu Gly Ala Pro Gly Glu Val Val Ala
115 120 125

Val Pro Cys Pro Asp Tyr Ile Tyr Asp Phe Asn His Lys Gly His Ala
130 135 140

Tyr Arg Arg Cys Asp Arg Asn Gly Ser Trp Glu Leu Val Pro Gly His
145 150 155 160

Asn Arg Thr Trp Ala Asn Tyr Ser Glu Cys Val Lys Phe Leu Thr Asn
165 170 175

Glu Thr Arg Glu Arg Glu Val Phe Asp Arg Leu Gly Met Ile Tyr Thr
180 185 190

Val Gly Tyr Ser Val Ser Leu Ala Ser Leu Thr Val Ala Val Leu Ile
195 200 205

Leu Ala Tyr Phe Arg Arg Leu His Cys Thr Arg Asn Tyr Ile His Met
210 215 220

His Leu Phe Leu Ser Phe Met Leu Arg Ala Val Ser Ile Phe Val Lys
225 230 235 240

Asp Ala Val Leu Tyr Ser Gly Ala Thr Leu Asp Glu Ala Glu Arg Leu
245 250 255

Thr Glu Glu Glu Leu Arg Ala Ile Ala Gln Ala Pro Pro Pro Pro Ala
260 265 270

Thr Ala Ala Ala Gly Tyr Ala Gly Cys Arg Val Ala Val Thr Phe Phe
275 280 285

Leu Tyr Phe Leu Ala Thr Asn Tyr Tyr Trp Ile Leu Val Glu Gly Leu
290 295 300

Tyr Leu His Ser Leu Ile Phe Met Ala Phe Phe Ser Glu Lys Lys Tyr
305 310 315 320

Leu Trp Gly Phe Thr Val Phe Gly Trp Gly Leu Pro Ala Val Phe Val
325 330 335

Ala Val Trp Val Ser Val Arg Ala Thr Leu Ala Asn Thr Gly Cys Trp
340 345 350

Asp Leu Ser Ser Gly Asn Lys Lys Trp Ile Ile Gln Val Pro Ile Leu
355 360 365

Ala Ser Ile Val Leu Asn Phe Ile Leu Phe Ile Asn Ile Val Arg Val
370 375 380

Leu Ala Thr Lys Leu Arg Glu Thr Asn Ala Gly Arg Cys Asp Thr Arg
385 390 395 400

Gln Gln Tyr Arg Lys Leu Leu Lys Ser Thr Leu Val Leu Met Pro Leu
405 410 415

Phe Gly Val His Tyr Ile Val Phe Met Ala Thr Pro Tyr Thr Glu Val
420 425 430

Ser Gly Thr Leu Trp Gln Val Gln Met His Tyr Glu Met Leu Phe Asn
435 440 445

Ser Phe Gln Gly Phe Phe Val Ala Ile Ile Tyr Cys Phe Cys Asn Gly
450 455 460

Glu Val Gln Ala Glu Ile Lys Lys Ser Trp Ser Arg Trp Thr Leu Ala
465 470 475 480

Leu Asp Phe Lys Arg Lys Ala Arg Ser Gly Ser Ser Ser Tyr Ser Tyr
485 490 495

Gly Pro Met Val Ser His Thr Ser Val Thr Asn Val Gly Pro Arg Val
500 505 510

Gly Leu Gly Leu Pro Leu Ser Pro Arg Leu Leu Pro Thr Ala Thr Thr

515

520

525

Asn Gly His Pro Gln Leu Pro Gly His Ala Lys Pro Gly Thr Pro Ala
 530 535 540

Leu Glu Thr Leu Glu Thr Thr Pro Pro Ala Met Ala Ala Pro Lys Asp
 545 550 555 560

Asp Gly Phe Leu Asn Gly Ser Cys Ser Gly Leu Asp Glu Glu Ala Ser
 565 570 575

Gly Pro Glu Arg Pro Pro Ala Leu Leu Gln Glu Glu Trp Glu Thr Val
 580 585 590

Met

<210> 4
 <211> 15
 <212> PRT
 <213> Rattus Norvegicus

<400> 4

Cys Thr Leu Asp Glu Ala Glu Arg Leu Thr Glu Glu Glu Leu His
 1 5 10 15

<210> 5
 <211> 20
 <212> DNA
 <213> Canis Familiaris

<400> 5
 tgcccaggat ccacaactgg 20

<210> 6
 <211> 20
 <212> DNA
 <213> Canis Familiaris

<400> 6
 gtccacgagt ccaaccctgg 20